

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

1.(Currently Amended) A method ~~of forming~~ according to claim 42, wherein the article comprises a housing for a mobile telephone having electronic components, ~~the method comprising:~~

~~—applying a carrier material to a substrate to provide a pattern, the carrier material carrying a seeding substance to allow application of a metallic material thereto;~~

~~—moulding the substrate to form a moulded substrate; and~~

wherein applying the metallic material to the seeding substance on the carrier material; thereby comprises forming a metallic pattern for ~~forming~~ at least one electrical connection for electronic components of the mobile telephone.

2.(Currently Amended) A method according to ~~claim 1~~ claim 42, wherein the carrier material is an ink and is applied to the substrate by printing.

3.(Canceled)

4.(Currently Amended) A method according to claim 3, wherein the step of ~~moulding~~ molding the substrate ~~can involve~~ comprises stretching ~~some of~~ the substrate, wherein the binder material is selected from materials capable of stretching to at least the same extent as the substrate.

5.(Canceled)

6.(Currently Amended) A method according to ~~claim 1~~ claim 42, wherein the seeding substance comprises a plurality of metal particles in the carrier material.

7.(Currently Amended) A method according to claim 6, wherein the step of applying the metallic material to the seeding substance on the carrier material comprises plating the metallic material onto the ~~metallic~~ metal particles in the carrier material.

8.(Currently Amended) A method according to claim 7, wherein the step of plating the

metallic material onto the ~~carrier material~~ metal particles comprises at least one step-selected ~~from the group consisting~~ of electroplating and electroless plating.

9.(Original) A method according to claim 6, wherein the metal particles are present in a range of 0.005 wt% to 10 wt%.

10.(Original) A method according to claim 6, wherein the metal particles are present in a range of 0.05 wt% to 5 wt%.

11.(Original) A method according to claim 6, wherein the metal particles are present in a range of 0.1 wt% to 2 wt%.

12.(Original) A method according to claim 6, wherein the metal particles have an average size of no greater than 0.15 μm .

13.(Original) A method according to claim 6, wherein the metal particles have an average size in the range of 0.003 μm to 0.05 μm .

14.(Original) A method according to claim 6, wherein the metal particles have an average size in the range of 0.003 μm to 0.015 μm .

15.(Currently Amended) A method according to ~~claim 1~~claim 42, wherein the step of moulding the substrate comprises press moulding the substrate to form the moulded substrate.

16.(Currently Amended) A method according to ~~claim 1~~claim 42, wherein the substrate comprises a plastic sheet.

17.(Original) A method according to claim 16 wherein the plastic sheet comprises a thermoplastic material.

18.(Currently Amended) A method according to ~~claim 1~~claim 42, wherein the step of ~~moulding~~molding the substrate is carried out before the step of applying the metallic material to the carrier material.

19.(Currently Amended) A method according to ~~claim 1~~claim 42, wherein the pattern is a line pattern to define electrical connections.

20-41.(Canceled)

42.(Currently Amended) A method of forming a pattern on an article comprising:
applying a carrier material to a substrate to provide a pattern, the carrier material carrying a seeding substance to allow application of a metallic material thereto and a binder material for fixing the seeding substance on the substrate;
~~moulding~~ molding the substrate to form the article; and
applying the metallic material to the seeding substance on the carrier material,
wherein the binder material is one or more selected from the group consisting of acrylic resins, silicone, polyurethanes, polycarbonates, polyesters, rubbers, polyimides, polyolefins, derivatives of polyolefins, polystyrenes, derivatives of polystyrenes and polymer alloys.

43.(Previously Presented) The method of claim 42, wherein the binder material comprises a polymer alloy selected from the group acrylonitrile-butadiene-styrene and acrylstyrene.

44.(New) An apparatus for forming a pattern on an article comprising:
means for applying a carrier material to a substrate to provide a pattern, the carrier material carrying a seeding substance to allow application of a metallic material thereto and a binder material for fixing the seeding substance on the substrate;
means for molding the substrate to form the article; and
means for applying the metallic material to the seeding substance on the carrier material, wherein the binder material is one or more selected from the group consisting of acrylic resins, silicone, polyurethanes, polycarbonates, polyesters, rubbers, polyimides, polyolefins, derivatives of polyolefins, polystyrenes, derivatives of polystyrenes and polymer alloys.

45.(New) The apparatus of claim 44, wherein:
the means for applying the carrier material to the substrate comprises a printing arrangement comprising a cartridge for carrying the carrier material, the carrier material

comprises an ink with a suspension of the seeding substance, the seeding substance comprises metal particles, and the substrate comprises a plastic sheet;

the means for molding comprises a press molding configured to form the plastic sheet into a housing of a portable electronic device; and

the means for applying the metallic material comprises at least one of an electroless plating bath and an electrode plating bath.

46.(New) An article comprising:

a substrate molded into a housing of a portable electronic device; and

a pattern printed into electrical circuit lines on the substrate, the printed pattern comprising:

a layer of carrier material comprising a seeding substance;

a binder material for fixing the seeding substance means on the substrate,

where said binder material is one or more selected from the group consisting of acrylic resins, silicone, polyurethanes, polycarbonates, polyesters, rubbers, polyimides, polyolefins, derivatives of polyolefins, polystyrenes, derivatives of polystyrenes and polymer alloys; and

a layer of metallic material fixed to the layer of carrier material.

47.(New) The article of claim 46, wherein the portable electronic device comprises a mobile phone.

48.(New) The article of claim 46, wherein the carrier material comprises an ink, and wherein the seeding substance comprises metal particles suspended in said ink.

49.(New) The article of claim 48, wherein the metal particles have an average diameter of no more than 0.15 microns.

50.(New) The article of claim 48, wherein an amount of the metal particles in the carrier material is in the range of 0.05% to 5% weight.